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MARIETTA, OHIO, ITS ADVANTAGES, INDUSTRIES, RESOURCES AND PROSPECTS.

CITY OF MARIETTA, OHIO.

ADVANTAGES, INDUSTRIES, RESOURCES AND PROSPECTS.

1887.

PUBLISHED BY
THE WEEKLY LEADER,
MARIETTA, OHIO.

D. B. TORPY, President. ESTABLISHED 1838. D. R. GREENE, Secretary.

Phœnix Mill Company,

CAPACITY, 300 BARRELS PER DAY.

PHŒNIX.

MATCHLESS.

GUIDING STAR.

FEED ÷ OF ÷ ALL ÷ KINDS.

THE LEADING MILL IN SOUTHEASTERN OHIO.

S. R. TURNER & CO.

55 FRONT STREET, MARIETTA,

DRY GOODS.

"THE "LEADING HOUSE"

Carry the Largest and Finest Stock to be seen in Southeastern Ohio.

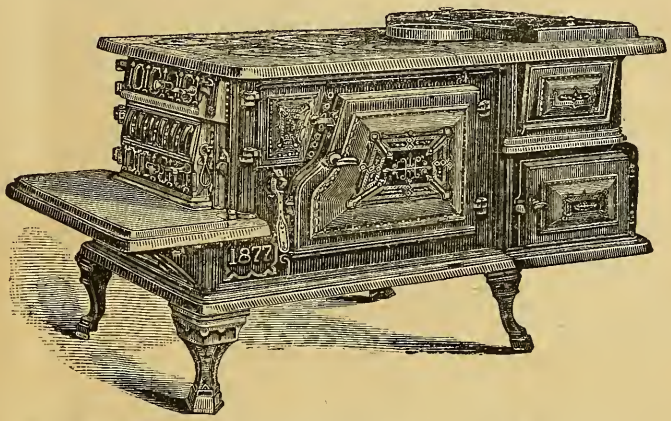
BLACK AND COLORED SILKS A SPECIALTY.

Carpet Department on Second Floor.

S. R. TURNER & CO.

W. F. ROBERTSON & CO.,

Hard Cast Iron Plows and Points.



Machinery of Every Description.

MANUFACTURERS OF COOK, PARLOR AND HEATING STOVES,
AND HOLLOW-WARE OF ALL KINDS,
MARIETTA, - - OHIO.

THE LEADER OF MARIETTA.

The Star Clothing House,

NO. 56 FRONT STREET.

GEO. BLAKE, PROP.

The STAR is the only strictly **One Price House** in the city. Their prices are always the lowest and the only store that can sell you

A COMPLETE OUTFIT.

They can dress you up from head to foot. They carry a complete line of Children's, Boys' and Men's Clothing, also a Complete assortment of Hats, Caps and Gents' Furnishing Goods; and they make a specialty of

Boys' and Men's Boots and Shoes,

and are headquarters for Trunks and Valises. When you are in the city remember the Star Clothing House, give them a call and be convinced that the above is true.

M. P. WELLS. JOHN WELLS THOMAS. E. F. WELLS.

BOSWORTH, WELLS & CO.,

WHOLESALE & GROCERS.

—AND—

JOBBERS OF DRY GOODS,

MARIETTA, - OHIO.

JNO. H. RILEY,

Attorney and Dealer in Real Estate,

MARIETTA, O.

Has city property, improved farms and hard wood timber lands for *sale or exchange.*

Large tracts of land in West Virginia, with fine soil, pure water, excellent timber and good climate, convenient to railroads and the Ohio River, for sale in tracts and on terms to suit purchasers.

NATIONAL HOUSE,

T. K. WELLS, PROPRIETOR

FIRST CLASS IN EVERY RESPECT.

Corner Greene and Second Sts.

MARIETTA, OHIO.

THOMAS CISLER,

Manufacturer and Dealer in

First-Class-Building-Brick,

MARIETTA, O.

☞ These brick are made in the Wingard Caloric Kiln, a process superior to any other for the purpose of brick-making.

GEO. STRECKER. HENRY STRECKER. WM. STRECKER.

GEO. STRECKER & CO.,

MANUFACTURERS OF

STEAM BOILERS,

OIL STILLS, OIL TANKS,

IRON JAIL WORK, SMOKE STACKS,

AND ALL KINDS OF SHEET IRON WORK.

OFFICE AND WORKS AT HARMAR, OHIO.

REPAIRING PROMPTLY DONE.

1867. WM. HARRIS & SON, 1887.

Planing Mill and Lumber Yard,

Ohio Street, between Fourth and Fifth.

BUILDING LUMBER OF ALL KINDS,

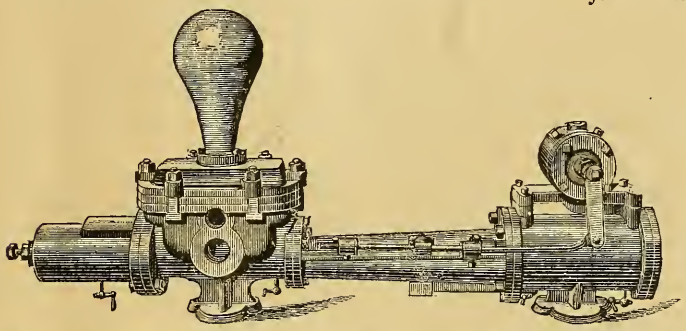
DOORS, SASHES AND BLINDS,

WINDOW AND DOOR FRAMES.

INSIDE FINISH IN HARD WOODS.

We make a specialty of TANKS, all sizes, for Vinegar and other Valuable Liquids.

J. G. HALL. J. M. BLAIR.



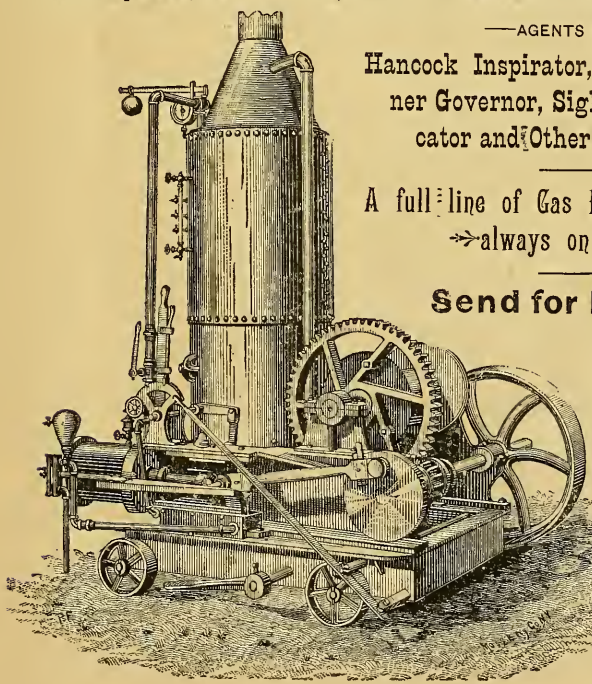
PISTON AND PLUNGER DOUBLE-ACTING STEAM PUMPS FOR BOILER

FEEDERS, PUMPING GRITTY WATER, OIL LINES, MINE SERVICE, FIRE PUMPS.

Harmar Foundry and Machine Co.

MARIETTA, O., MANUFACTURERS OF

Steam Engines, Steam Pumps, Hoisting Engines, Shafting and Pulleys, Hand Capstans, Derrick Irons, Derrick Powers and General Machinery.



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Hancock Inspirator, Judson & Gardner Governor, Sight-feed Lubricator and Other Specialties.

A full line of Gas Pipe and Fittings always on hand.

Send for Pamphlet.

PORTABLE HOISTING ENGINES, FRICTION DRUM, LINK MOTION AND CLUTCH.

WORKS,

HARMAR,

OHIO.

J. D. STRAUSS. GEO. T. ELSTON. R. D. COOKE.

PIONEER ROLLER MILLS

STRAUSS, ELSTON & CO.,

MARIETTA, OHIO.

Manufacturers and Dealers in Flour and Feed of All Kinds.

Our **"Anchor"** brand of Flour especially recommended.

THE

DIME SAVINGS SOCIETY,

No. 14 Front Street,

MARIETTA, OHIO.

Incorporated December 6, 1871. Commenced Business January 16, 1872.

JEWETT PALMER, PRESIDENT. C. H. NEWTON, TREASURER.

Over 1300 Depositors! Over 150 New Accounts opened since January 1st, 1887!

Its banking room is not excelled for convenience or safety by any in this part of the State. Emphatically the CHILDREN'S BANK; a large majority of the depositors being children of all ages from babyhood up. The net earnings are distributed to depositors in the shape of dividends, semi-annually, and have averaged about 4½ per cent. The funds are invested in government bonds or other absolutely safe securities, and loaned on first mortgage upon Washington County real estate. The Bank is growing daily in favor among the people of the county, and is already an influence for great good in the community.

Deposits January 16th, 1872, : : : 10 Cents
" May 1887, : : : : $95,000.00

MARIETTA, OHIO,

ITS

Advantages, Industries, Resources and Prospects.

PUBLISHED BY THE MARIETTA LEADER.

1887.

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1887

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THE

Marietta Weekly Leader,

T. F. DAVIS, Editor and Proprietor.

Is the largest family newspaper and the best advertising medium in Washington County. It contains 36 columns, printed on good paper, size of sheet, 28 by 44 inches.

TERMS:

$1.00 IN THE COUNTY,
$1.50 OUT OF COUNTY, } PER ANNUM, IN ADVANCE.

First-class Job Work also executed on short notice and at moderate rates.

Marietta and its Advantages.

Introductory.

The advantages, industries, resources and prospects of a community are subjects of much importance to residents thereof, and deeply interesting to those contemplating a change of residence or seeking a new location for their business. It is the aim of this pamphlet to afford our people a convenient means of conveying to their friends abroad a general idea of Marietta's advantages and of the extent of her present industries. Many of our leading citizens, having the best interests of the community at heart, are calling the attention of manufacturers to our superior advantages as a manufacturing point. It is hoped this publication will assist in bringing the claims of our city to the favorable notice of prospective investors and of those seeking a desirable place of residence.

We would respectfully say to those manufacturers who may be seeking to better their facilities, and to capalists who are contemplating the formation of new industrial enterprises, that a careful examination of Marietta's advantages will convince them that many opportunities are offered here for investments that are safe and profitable. While cheap and abundant fuel is a matter of prime importance in the establishment of any manufacturing enterprise, yet this is not the only inducement we can offer. There are many others, among which may be named eligible building and manufacturing sites, plenty of help, a law-abiding people, moderate rents, low taxes, police and fire protection, reasonable prices for real estate, and splendid shipping facilities. The various manufacturing enterprises already located here have been very successfully carried on, being characterized by such wise management as to yield liberal dividends to their owners and take high rank among the solid

institutions of the State. But there is room for more. The desirable locations will never be exhausted. Our people will cordially welcome those who come here with their works and will aid and encourage them in every proper manner.

New manufacturing enterprises are invited to come here, as our people feel confident that everything points to the success of such ventures. There are already many industries in successful operation here of which space forbids lengthy mention. It is rather the purpose of this work to point out the desirability of Marietta as a manufacturing center and to urge the active co-operation of all our citizens with prospective investors looking to their mutual benefit in a business way. There are many lines of manufacturing, little and big, that might be successfully established here and yield to their projectors a handsome percentage of profit.

Among the many industries which citizens of Marietta would encourage to locate in their midst might be named potteries, creameries, cracker factories, chain works, structural iron works, tank works, bridge works, woolen factories, works for the manufacture of fire and pressed brick, common red brick, bolts and nuts, saws, files, brass foundries, stove works, wood works, furniture factories, and, in short, any kind of manufacturing establishments furnishing honest employment to men and women.

If this pamphlet falls into the hands of any manufacturer, capitalist or mechanic seeking to better his condition, let him come to Marietta and investigate her claims or write to the publisher of this pamphlet or to any of the business firms named herein and he will be cheerfully supplied with the fullest and frankest information on the points in which he may be interested.

Marietta is located at the junction of the Muskingum with the Ohio River, 171 miles by river from Pittsburg, 81 miles from Wheeling and 296 miles from Cincinnati. Washington county, of which Marietta is the commercial and political capital, is bounded on the north by Morgan, Noble and Monroe, on the south-east by the Ohio river, on the west by Morgan and Athens counties. The area of the county is upwards of 600 square miles with a population of about 50,000. The city proper contains a population of 7,000. Harmar and Williamstown, though separate corporations, are practically one in their community of social and business interests, and make in all a population of about 10,000. For the purpose of manufacturing and getting the completed articles to market our location affords unrivaled facilities.

Shipping Facilities.

The shipping facilities of this city are unsurpassed. The

greatest waterways of the continent are at our door, about 18,000 miles of navigable river being accessible from this point. Several lines of splendid steamers having ample accommodations for both passengers and freight ply the Ohio river and many of these vessels stop here daily. The Muskingum river, now in charge of the General Government through which service extensive improvements will soon be made, already possesses a slack water system which renders it navigable for a distance of 90 miles. The railroads centering here are the Cincinnati, Washington and Baltimore, the Cleveland & Marietta, and the Marietta, Columbus & Northern. The Ohio River Railroad, now completed from Wheeling to Point Pleasant, W. Va., is easily accessible on the opposite side of the Ohio. The Zanesville & Ohio River road will soon be completed to Harmar, while a company is organized for the construction of a line from Bellaire to this place. These rival railways and water routes afford cheap and quick connection with all parts of the country, while the competition existing between them effectually prevents any discrimination against our manufacturers or others who may wish to locate at this point. Few places possess any superior advantages in this respect.

Not the least attractive feature of Marietta are the elegant sites for residences in the suburbs which are offered at reasonable prices. Both in and surrounding the city are very many most desirable localities affording cheap and healthful places for residence. Several plans of lots have been laid out which will be rapidly taken up as quite desirable for residences. Many beautiful homes, combining the charms of country life with city conveniences have already been erected. In short, Marietta is in no sense behind her sister towns in the inducements which she can offer in the way of moderate-priced, healthful and convenient locatities for residences. Manufacturing sites are also numerous, convenient and cheap. With shipping facilities far superior to many larger cities, we can say to manufacturers that they will only be consulting their own best interests in coming here to inspect what may here be found in the way of desirable manufacturing sites.

Marietta a Center for Manufactures Based Upon Agricultural Productions.

Among the many inventions and new methods that distinguish the present order of industrial articles, the successful preparation, preservation and distribution of many of the most profitable agricultural productions may be regarded as worthy of special mention.

Many years ago one of our most prominent citizens entered very zealously upon the production of various vegetables suited for summer markets. Success in raising them was easy enough, but the season being a good one for others as well as himself, the supply so far exceeded the demand that acres of tomatoes, cabbage and other esculents rotted on the ground. Then canned vegetables were unknown, now they have assumed a position of first importance among manufactured articles.

The question arises, is Marietta well situated for the success of a manufacturing enterprise based upon the products of the soils that can be used in that direction and that are found so nearly contiguous that Marietta would afford proper facilities?

Our city is central to a system of valleys along which are found as rich and fertile alluvial soils as prevail anywhere in the west. Climate is as favorable as soils.

Along the valleys of the Muskingum, the Ohio and smaller streams there are at least 40,000 acres specially adapted to the production of all the varieties of vegetables that the skill, science and experience of ingenius experts have managed to convert in the staples of commerce, and are finding their way through all the channels of trade, not only in America, but throughout the world.

Now suppose an acre of these rich soils will produce 300 bushels of tomatoes suitable for a canning establishment at twenty cents per bushel, it gives a product of $60.00 per acre. Apply that result either with that or any other vegetable, to 40,000 acres and we have a gross return to the cultivators of $2,400,000. The gross value of all the farm products of Washington county as stated in the census of 1880 was $1,749,454. This shows that there lies undeveloped within reach of enterprise and skill a source of wealth greater than the entire product of Washington county farms. Marietta can be made the center of this production. But this large product is really only a raw material for the next process, that is, the conversion of it into an article of the staple commerce of the county.

This requires the ordinary outfit of all manufacturing enterprises—grounds—buildings—machinery—materials and labor. Probably the gross value that go into the general markets may reach $5,000,000.

The annual returns in money become distributed through all the channels of domestic life and local trade. The cultivators of the soil get their share, the merchant his, professional characters get their portions, the capitalist with his workmen get theirs. In this way a large annual surplus is drawn from the outside world and distributed throughout the entire community.

But the line of industrial effort is not confined to the valleys.

Fruits of all kinds flourish admirably upon the uplands. The warmer soils of the western portion of the county where the sandstone outcrops are found, afford a soil where apples, peaches and all the smaller fruits not only grow and produce well, but the fruits are exceptionally well flavored. Through this source a raw material suited for the canning and preserving processes may be drawn in vast quantities.

Marietta is supplied with cheap fuel, cheap property, a healthy location, with every attraction for the residence of intelligent families and with transportation facilities not surpassed by any point west of the mountains.

It is also a matter of great encouragement in any effort to utilize for Marietta's benefit these sources of future wealth, that a strong public sentiment is setting in the direction of a *better system of common roads* through the county. The producer of fruits and vegetables will then be brought within easy access to the commercial center of the county, where the various processes of manufacture and distribution can be best conducted.

Marietta as a Center of Quarry Products.

The total production of the various quarrying industries in the United States as reported in the census of 1880 was 115,380,193 cubic feet; value of products, $18,356,055. Ohio stands first among all the States, showing a product of 19,673,300 cubic feet, valued at $2,541,647. Of the Ohio production 8,574,726 cubic feet, valued at $1,871,924 was derived from *sandstones*. The *sandstones* of Ohio are more than double in value of the same article in any other State, and is the most valuable of the quarry products of the United States in any one State.

Marietta is situated centrally in as valuable deposits of sandstones as can be found in the United States.

Their value consists in their adaptedness to building and grinding purposes. For the latter purpose they have been in constant use since the first settlement of the country. The qualities of the stone have been tested for all the various uses of grindstones, for cutlery, edge tools, saws, files, plows, castings, in fact every variety of grit may be found in the strata that crop out, particularly in the hills near to and west of Marietta. At this time it is a prosperous business adjacent to the Ohio River in Warren and Dunham townships. But deposits or ledges of grindstone grit of equal value may be found and worked along the C. & M. or the M. C. & N. Railroads.

These stones have not been used extensively away from home for building purposes, and the reason for this neglect in this respect is to be found in the lack of effort to introduce them abroad in a way that their merit can be tested and known. Spec-

imens have been subjected to pressure and found to meet the highest requirements of science or experience in that respect. The quarries have never been opened sufficiently to bring to light the best specimens of texture and color. The outer exposures of the strata have been discolored by the overlying soils, but when the ledges of rock have been penetrated far enough to avoid this, beautiful specimens of blue or light color have been revealed, while the texture of the stone is firm and found to be in every way adapted to building purposes. Ohio stones are now in demand in eastern cities alongside of the red sandstone of Connecticut or the granite of Maine. New quarry industries adjacent to Marietta offer at this time a most inviting field for manufacturing enterprises. A moderate amount of capital will open quarries and start a trade. With transportation facilities of river and rail, markets can be reached. Marietta would become the mercantile center for a large population engaged in that class of industries.

Mineral Resources.

Of these Washington county can feel proud, as her territory contains vast resources of petroleum, natural gas, coal, iron, limestone, building stone, sand, potters' clay, alum and other deposits. Natural gas in abundance has been found a few miles distant, while evidence of its existence even nearer to the city are not wanting. Arrangements for introducing this incomparable fuel for manufacturing and domestic purposes will soon be completed. Coal of an excellent quality, by means of the Ohio River, the "Marietta Mineral" and the Cleveland & Marietta Railroads, is delivered here at only a slight advance over prices at the mines. With our splendid water routes of transportation and with the railway facilities now permanently established by competing lines north, south, east and west, and with an inexhaustible and cheap fuel supply the conditions are unusually favorable for the establishment of manufacting concerns upon a large scale at this point.

Natural Gas.

The advantages attending the use of natural gas as fuel for household use and for manufacturing purposes have caused the search for it to be prosecuted with great energy and persistence in many quarters. The last two years' operations have disclosed the fact that Marietta is the only town in southeastern Ohio which is known to have an abundant supply of natural gas within easy piping distance. Ironton, Pomeroy, Logan, Lancaster, Newark, Dresden, Zanesville, Coshocton, Canal Dover, Kimbolton, Quaker City and Cambridge have each

drilled from one to three wells in vain search for the hidden treasure, while from Marietta in three different directions, the fitful glare of the burning gas may be seen lighting the heavens.

The Macksburg oil field, which is 20 miles from Marietta, has, along its northwestern border, a strip of gas territory covering several square miles. On this strip there are several wells from which the gas has been flowing in large quantities for several years. From the "Minshall" well on the Matthew Mitchell farm, and the Gilmore & Porter wells on the Jno. Kellar farm, at least five millions of cubic feet per day have been going to waste. The quantity of gas in this strip of territory has caused parties to consider the feasibility of carrying it to Zanesville, a distance more than double that to Marietta.

The southwestern end of the Liberty township anticlinal is within eleven miles of Marietta. On this arch is located the "Epler" well, drilled by the Bradish Oil Company of Parkersburg. The well is about one mile from the Burning Spring on Mill Fork of Fifteen Mile Creek, one of the natural curiosities of the region to the "oldest inhabitant." The gas was struck at a depth of 1,700 feet in the "Berea" or lower Macksburg sandstone. The measured flow of the well was three millions of cubic feet per day and the closed pressure over 500 pounds per square inch in one and a quarter minutes. There are about four square miles of territory on the crest of this arch which have had no test except as shown by this well.

Near Eureka station on the Ohio River Railway the line of the great White Oak Anticlinal crosses the Ohio River. On the southwestern end of this arch, at Burning Springs in Wirt County, W. Va., very large quantities of high-pressure gas were found twenty years ago. A well lately drilled on the northeastern end near Eureka station, and not far from the mouth of French Creek, known as the Johnson well, is flowing probably two millions of cubic feet per day. This well is about eleven miles from Marietta.

The combined production of the wells above named is ten millions of cubic feet per day, of which no use whatever is being made. Professor Orton, in his preliminary report on petroleum and gas, estimates 1000 cubic feet per day, at the well, as sufficient to supply an ordinary household fire. On this basis there is now going to waste near Marietta sufficient fuel to keep 10,000 fires daily burning. Wheeling and Bellaire reach out 35 miles, Youngstown 40 miles, Buffalo 80 miles, to grasp the coveted fuel which yields them health, wealth and physical comfort.

The wells above named were not drilled for gas, the large supply having been obtained accidentally in drilling for oil and

the territory where they are situated has been considered comparatively valueless because it contained gas instead of oil. Another important feature is the fact that the wells above named represent three separate and distinct fields, two of them within eleven miles and the third within 20 miles of Marietta. The 15 mile field also lies about half way between the Macksburg field and Marietta, so that a line could be first laid to the 15 mile field and afterwards, if necessary, be extended to the Macksburg field as the demand for consumption increased.

The foregoing facts would seem to warrant the assumption that the question of supply is already settled beyond a reasonable doubt, but, if the considerable amount of capital required for the plant should cause hesitation, a small amount of money judiciously expended in testing the three fields above named would surely double the present supply and place the daily flow far beyond Marietta's demand for consumption.

Health and Climate.

The climate of a community is a matter of prime importance to persons contemplating a residence therein. Our climate is salubrious, we are free from great extremes of heat and cold and we can boast of the general healthfulness of the community as being excellent and such as to justify the statement that the average death rate will compare very favorably with other cities. No stagnant pools of water, no swamps or marshes are permitted to breed malaria, and the city has never been visited by epidemics. The location of the city with rivers on two of its bounderies, making about three miles of river front, is such as to give it a system of natural drainage which, in conjunction with sewers constructed by the city authorities, affords ample facilities for readily disposing of all accumulations of debris.

Educational Advantages.

MARIETTA COLLEGE.

Marietta College is a Christian institution of learning founded and conducted on the plan of Dartmouth, Williams, Yale and Princeton, religious but not denominational. It is well-known for its high standard of scholarship, its worth taking rank with the best. The college offers two courses of study intended to be substantially equivalent, both including Latin, French and German and one including Greek in place of other studies. The one containing Greek is the usual classical course leading to the degree of B. Ph. Students whose circumstances make a shorter course desir-

able will be permitted to select such studies from the regular courses as in the judgment of the Faculty they are prepared to pursue with profit. The instruction is all given by learned professors. The President, who for sixteen years was chief of the National Bureau of Education, instructs in the science and art of education. The members of the Faculty are all eminently qualified in their several departments.

A good working observatory is available for class practice in astronomy; care is taken to give field practice in engineering, and the college has good working cabinets and appliances for laboratory service which are to be enlarged to meet demands. The libraries contain 35,000 volumes. The college library will soon be largely increased and is constantly opened for use under the direction of the librarian and professors. Lectures are given by the professors and others to which the public are invited. In addition to rhetorical work under the professorrs, the students have debating societies conducted by themselves. There is organized among them an efficient Young Men's Christian Association with which more than half the young men are connected. Expenses are very moderate, tuition $45 a year, whereas at Harvard it is $150, Yale $140, Williams $90, Amherst $100, Dartmouth $90. Board is proportionally inexpensive; table board in families per week may be had for $2.25 to $3.00 and in clubs for $1.75. In families board may be had "all found" per week for $3.00 to $5.00. A student by rigid economy receiving no aid from the college has paid all his bills at an expense of $166 for a year. The citizens of Marietta and vicinity have shown their appreciation of this college by giving it $280,000, and the Trustees have manifested their devotion by gifts amounting to $272,000. The Trustees have voted to secure an additional endowment of $200,000. This in connection with donations already assured to the college will add very much to its income, when other chairs of instruction will be established. The attendance is again increasing. This year twenty were added to the enrollment. Next year there is a prospect of a still larger increase. The exercises of Commencement week begin with the Baccalaureate address Sunday afternoon, June 26th, and close Wednesday, June 29th, furnishing an occasion of great interest to the citizens of Marietta and vicinity and the alumni wherever resident.

Under the same Trustees, there is also Marietta Academy, in which two courses are provided, one in which students are prepared for college, and the other intended for those who must enter business without the thorough and extended preparation of a college course. Tuition in the Academy is $30 a year. The students have special advantages from association of the academy with the college in the use of the libraries, etc. The fall term begins September 8, 1887.

THE PUBLIC SCHOOLS.

The splendid public school system of which Ohio is so justly proud is as well exemplified in the public schools of Marietta as in those of any other city in the State. Indeed in some respects her schools are superior as shown by a comparison with those in seventeen other cities of about the same population. This comparison, which was made with great care from official reports, shows that the daily attendance at our schools, based on enrollment, is 82 per cent., being the highest on the list, while the per cent. of attendance based on the total number of school youth in the city is 52, being surpassed by but one other city. The cost per pupil is less than in any other city in the State.

Our public schools are managed by a Board of Education consisting of six members. There are twenty-six teachers under the general direction of the Superintendent, Prof. C. K. Wells, who has held the office for a long period; there are upwards of 1,200 pupils enrolled; the school course covers twelve years, including a High School course of four years; the length of the term is nine and half months and the number of school houses used is nine.

Churches.

All the leading denominations of the Christian church are represented here, several of them having two congregations and church buildings. The list includes the following organizations, namely, Congregational, Methodist Episcopal, Presbyterian, Baptist, German Lutheran, German Methodist Episcopal, United Brethren, Episcopal, Catholic, Unitarian, Wesleyan Methodist and African Methodist Episcopal. We have fifteen churches —thirteen in Marietta and two in Harmar—which afford opportunities for religious instruction to all. Many of the churches have large and wealthy congregrations, able ministers and commodious and even elegant church edifices. Connected with the various churches are large and flourishing Sunday

schools and other organizations whose influence for good is scarcely less than the church itself.

Other Societies.

Apart from the purely denominational societies there is a large number of social and beneficial organizations among which may be named the Masonic Societies, Independent Order of Odd Fellows, Knights of Pythias, Uniformed Rank K. of P., Grand Army of the Republic, Knights of St. George, Ancient Order of United Workmen, Red Men, Young Men's Christian Association, Women's Christian Temperance Union, Chautauqua Literary and Scientific Circle, and also numerous other literary, social and musical organizations. These societies are highly beneficial to their respective membership and to the community in general, and it speaks well for Marietta that they are numerous and well supported as they are.

Farming in the County.

Washington county is recognized as one of the best agricultural counties in the State and the farmers find an excellent market right at home for their products. The prodigality and seeming boundlessness with which nature's gifts are here bestowed mark Marietta as one of the specially favored cities in the great Ohio valley. Our farmers take great pride in pursuing the most improved methods in agriculture and in raising fine stock of all kinds, and it is needless to say that their intelligent efforts in this direction are amply rewarded. The horses and cattle raised in this county rank among the best to be found anywhere, a fact clearly shown by the good prices offered for them by experienced buyers.

Washington county wheat is proverbially excellent. About 33,000 acres are put in wheat each year, yielding some *500,000* bushels. Expert millers consider Washington county wheat as specially good because of the strong white flour which it readily makes. Nearly all other kinds of grain are also raised in great abundance.

ASSESSORS' RETURNS.

The following statistics are taken from reports filed in the County Auditor's office. They show the average for five years, not including last year, the returns for which are not yet all in, but which will show a yield far above the average given below: Wheat, bushels, 342,570; oats, bushels, 133,702; corn, bushels, 636,603; potatoes, bushels, 133,353; apples, bushels, 292,967; butter, pounds, 721,106; eggs, dozen, 372,672; wool, pounds, 442,568; tobacco, pounds, 687,809.

Washington County Agricultural and Mechanical Association.

Our farmers also take commendable pride in sustaining a first class agricultural fair, known as the "Washington County Agricultural and Mechanical Association," the annual exhibition of which will be held on the fair grounds at this place on September 14th, 15th and 16th. These grounds contain about twenty acres and are beautifully located about one mile up the Muskingum river. Very liberal premiums have been arranged for horses, cattle, sheep, swine, poultry, farm implements, fruits, flowers, field crops, fine arts, needle work, etc. Trials of speed will take place each day of the fair for which more liberal premiums than usual at county fairs will be offered this year. The members of the Association will keep up their reputation for liberality in every department and propose to make this year's exhibit surpass anything of the kind ever held in this section. The half-mile track on these grounds, which is the best in the Ohio Valley, will be placed in first-class condition, and lovers of fine horses will see some good races this year. The Association has decided to erect a new grand stand, a fact that our people will be glad to know. They have also become a member of the American Trotting Association which will be a great advantage to our fair. Our people always heartily second the efforts of the managers in their efforts to make the fair a grand success. There can be no doubt that these fairs have been a great advantage to our county in the past and they will be made doubly efficient in the future by the hearty co-operation of all concerned. Every department will be under the supervision of experienced persons. The President of the Association is Judge F. J. Cutter.

Markets.

The soil along the bottoms and slopes stretching away from the two rivers is very fertile and is highly cultivated, supplying our people a rich and abundant market containing every necessity and luxury known to this latitude and that, too, in such abundance as to make the prices very low. The river bottom lands offer rare inducements to those desirous of engaging in market gardening and the convenience of good markets for such products is also a great advantage. There is a healthy competition in produce, game, meats, etc., and the numerous excellent green groceries and meat markets afford abundant accommodations in this direction.

Board of Trade.

This body is now fully organized and prepared to look after

the industrial interests of Marietta and Harmar. The officers and committees are as follows: President, J. H. Grafton; Vice President, T. W. Moore; Secretary, B. F. Strecker; Treasurer, R. T. Moore; Directors, J. H. Grafton, T. W. Moore, S. M. McMillen, E. M. Booth, D. B. Torpy, W. F. Robertson, S. B. Kirby, W. H. Styer, R. L. Nye; Committee on Manufactures—W. F. Robertson, T. D. Dale, D. B. Torpy; Public Improvements—M. P. Wells, W. P. Cutler, A. W. Tompkins; Railroads and Transportation—E. R. Alderman, John Mills, T. W. Moore; Finance—F. S. Turner, J. J. Garry, E. M. Booth; Membership—Theo. F. Davis, S. B. Kirby, Louis Mueller; Local Mercantile Interests—Bernard Rodick, Geo. Blake, W. H. Styer; Health and Sanitation—Dr. Z. D. Walters, D. B. Anderson, August Dircks; Taxation—F. F. Oldham, Gottlieb Meister, W. H. Buell; Fuel and Light—S. M. McMillen, A. J. Warner, R. L. Nye.

Taxes.

Considering our advantages our taxes are not high, a fact that has special importance to those manufacturers whose plants are of considerable valuation. The rate in Marietta is about $2 on $100 of valuation and this includes taxes of all kinds—State, county, city, school, etc. This is no higher than in other cities of like population, and it will probably be lower at an early day. In this connection the following table showing the tax rate of different cities may be of interest:

Cincinnati	$2 67 per $100	Pittsburgh	$3 32 per $100
St. Louis	2 50 " "	Bellaire	2 63 " "
Chicago	3 79 " "	Bridgeport	2 17 " "
Cleveland	1 69 " "	Martin's Ferry	2 75 " "

Another source of congratulation in connection with this subject of municipal taxation is that the city is free from the domination and corrupt influences of political rings whose reign has brought bankruptcy and disgrace upon other cities and heaped up the burden of taxation for the honest manufacturer, merchant and workingman to bear.

Marietta Centennial.

The attention of the whole country is being turned upon Marietta as the GATE-WAY of civilization to the Northwest. On the 7th, of Aprll 1787 the first permanent settlement ever made by civilized races of men of the vast interior—embraced in the Ohio and Mississippi Valleys—was commenced at Marietta. This was effected in an organized and systematic manner under the auspices of the celebrated ordinance of July 13th, 1787.

Extensive preparations are now in progress for an appropriate celebration of that important event. Invitations have been ex-

tended by the State of Ohio to sister states—and also by local committees to numerous distinguished personages including the executive, legislative, and judicial departments of the General government. The Centennial exercises will occupy the 6th, 7th, and 8th of April 1888, and will be an occasion of National interest.

The Marietta Monumental Association has been organized under the laws of Ohio for the purpose of erecting at Marietta a suitable monumental structure to commemorate the important historical events and governmental principles connected with its first settlement. The structure will be an attraction to the city in all future time—inviting the residence of families—and thus imparting additional value to property.

Railway Business.

The volume of railway business done at Marietta during the year 1886 is shown by the following report from the railway companies:

Pounds of freight forwarded, . .	133,536,193
Pounds of freight received. . . .	150,066,824
Total	283,603,017
Revenue from freight forwarded, .	$76,929.96
Revenue from freight received, . .	92,919.63
Total	$169,849.59

This does not include the business done at the Ohio River R. R. depot on the opposite side of the river, which is very considerable. The shipping business at this point would also be very largely increased by including the freight handled by the steamboats on the two rivers. We have no means of getting the exact figures to represent this large part of our trade.

Public Parks.

Early in the history of the city provision was wisely made for public parks. The grounds lying between Front Street and the Muskingum River from Butler Street to Wooster Street, three squares, containing about twelve acres, was reserved for this purpose. Two squares have been regularly laid out in walks and avenues, supplied with shade trees, rustic seats and other conveniences and attractions appropriate for a public pleasure ground, and thus afford our people opportunities for grateful recreation from the cares of business. The park commissioners appointed by council take commendable pride in caring for the people's breathing spot, and adding improve-

ments from time to time. The park contains the soldiers' monument and many trees and flowers. In addition to the above there are two other public squares and Camp Tupper.

Public Buildings.

These are the Court House, City Hall, Churches, Schools, etc. The New City Hall is a splendid structure 140 feet long, 75 feet wide, 50 feet high, with a cupola 132 feet high. It contains a fine public hall 72 feet square, equipped with stage, etc., also the Mayor's office, Fire Department and other city departments. It may be said, here, that many of the business blocks and private residences are on a scale equal if not superior to those in much larger places. The streets are wide and well paved and, especially in the residence portion of the city, are ornamented by beautiful trees.

Municipal Government.

The city government is in the hands of a mayor and council elected by the people. The present administration consists of S. Ridgeway, Mayor, and S. D. Davis, C. Best, W. P. Dye, S. M. McMillen, T. F. Davis, Josiah Coulter, Jacob Gephart and D. F. Sayers, councilmen.

Hotels.

Our town is well supplied with good hotels, the principal one being the National House, having accommodations for about 100 guests, while the St. Cloud and St. James also are commodious. There are a number of smaller hotels, boarding houses and restaurants where excellent accommodations may be had at very fair rates.

Newspapers.

Marietta is well supplied with good newspapers, namely the Leader, Times, Register and Zeitung, all of which can fairly lay claim to excellence, and all being liberally supported, a fact that speaks well for the intelligence of our people. Connected with the various newspapers there are first class job printing offices. The students of the college also support an excellent literary journal.

Retail Stores.

Our retail stores and merchants deserve something more than passing notice. It must be said, however, that they are up to the times in every respect, and some of them are as fine as can be found anywhere outside of the larger cities. As a rule they are owned and presided over by merchants who have spent

their lives in the business, and who are able to make selections of correct styles and qualities of goods which are displayed with the utmost good taste in the many large and even elegant store rooms of the place. All the various lines of trade are well represented by retail stores carrying a large and well selected stock.

Mills, Factories and Other Industries.

The most extensive manufacturing concern in our city is the Marietta Chair Company, whose factories and shops cover an area of 7 acres including the ground occupied by their lumber yards and by their saw mills on the Muskingum River. Their product consists of cane and wood seat chairs and rockers, parlor tables, etc., and the average out put is 25000 pieces of furniture per month, their consumption of lumber being about 5,000,000 feet annually. This is obtained from the forests of West Virginia and Ohio, walnut, maple, poplar and hickory being the kinds mostly used. The trade of this Company extends into 35 states and territories, the sales being looked after by 12 commercial travelers. The business is constantly on the increase as is instanced in the fact that, although running at the fullest capacity, the Company was obliged recently to withdraw these salesmen from the road. The factory never shuts down unless through accidents requiring repairs to machinery. Upwards of 500 employes are engaged many of whom by their industry have acquired pleasant homes.

This establishment has never had a strike by its employes during its 21 years' existence. This remarkable fact is attributed, (1) to the company's policy of encouraging and assisting its employes in buying homes; (2) its plan for a limited mutual insurance of its workmen against sickness and accident; (3) paying wages by the hour instead of the day; and (4) its system of hiring, in which two generally distinct features are combined. This is well worthy of notice in view of its results. To each room in the large buildings of the concern a foreman is assigned. He is employed at fair wages, which he gets in any event. But beyond that, the work done in his room is also under a contract rate, by the piece, as liberal as the company at the time can afford. When the foreman returns the work of his room to the Superintendent, if the piece price, as specified in the contract, exceeds the wages agreed upon, one-half the excess is paid to him, or in other words, his wages are increased in that amount. The foremen contract with the hands in the various rooms, who are employed by the company at regular wages, on the same plan; the consequence of which is, to give fair wages, as a certainty, to those who work, with a

chance to every one to enlarge his pay to any degree which his effort and skill will admit of. The contract prices really extend into the fund ordinarially held as profits, and so make the employes participants, if they are industrious and faithful, in some measure, as partners in the business.

All employes must join the insurance association, which is under a Board of Trustees elected by themselves, and therefore entirely under their control. They are assessed about two-thirds of one per cent. of their wages, which experience has shown will keep the relief fund up to the required amount. Then, in case of sickness or injury, the employe is paid three-fourths of his regular wages for a period not exceeding six weeks; and in the event of death, his funeral expenses are defrayed. Thus pleasant relations are maintained, and employers and employes are bound together in a common interest and desire for the welfare of the whole concern.

The Company is officered as follows: John Mills, President and Treasurer; J. H. Grafton, General Superintendent; John J. Garry, Secretary; George R. Grafton, General Traveling Salesman. These gentlemen are all young and energetic business men, perfectly familiar with every detail of the vast enterprise whose affairs they so successfully manage.

The success of this establishment is amply sufficient to show Marietta's superior facilities as a shipping point.

The Marietta Hub, Spoke and Bent Works, John Short, proprietor, also does an extensive business in wood work, the establishment having been thoroughly refitted and enlarged, buildings and machinery receiving many costly additions at the hands of the present proprietor. They are now running at their fullest capacity and have a number of large orders booked which will run through many months. The excellent quality of the stock used is shown in these and many other large and very desirable cash orders from large manufacturers and exporters which the proprietor was obliged to decline. These shops are large, substantial buildings, and are supplied with all kinds of modern machinery necessary for the purpose of manufacturing hubs, spokes, bent stuff and wheels of all kinds. There are two fine engines and a large battery of boilers, a saw mill, railroad track to convey the timber to the shops, and all other appliances necessary for the complete equipment of a first class establishment. These works are so arranged as to be able to take a log from the stump and convert it into a heavy farm wagon or a fine carriage. The success of these works is additional proof of Marietta's excellent location for manufacturing purposes. Timber of a desirable quality can be found in the region for 100 miles around, and can be delivered here at very moderate cost,

Mr. Short considers Marietta as one of the very best locations in the entire country for the manufacture of all kinds of wood work.

There are two banks in the city which afford means for facilitating business transactions, the prevailing rate of discount being but 6 per cent. The Dime Savings Bank is one of the finest institutions of the kind in the State. One Building and Loan Association is in successful operation.

All the leading insurance companies are well represented by resident general agents. Roeser & Sturgiss are doing a very extensive business in this line. Their agency is the leading and one of the oldest in the county, having been established in 1869. They confine themselves strictly to insurance, representing the oldest and strongest company, the "Mutual Life." They also represent the most reliable fire companies. Messrs. Roeser & Sturgiss are both young and energetic business men and, as is well known, are prompt in paying all policies written by them.

The large planing mills owned respectively by Smith & Foreman, Wm. Harris & Son, C. A. Miller and John Short, do an extensive business in lumber and in the erection of buildings, employing a large number of men, and using 3,000,000 feet of lumber annually.

The Nye Hardware Company, established in 1849, does a very extensive business in the wholesale and retail hardware line Other large hardware firms are Rodick Bros. and H. P. Theis.

The oil business is extensively carried on by the Ohio Oil Works, the Argand Refining Co., the Marietta Oil Works, Lubricating Oil Works and others, the aggregate capacity being 200,000 barrels annually.

Four large flouring mills, two in Harmar, two in Marietta, are factors in the general sum of prosperity, and make in the neighborhood of a hundred thousand barrels per year, with a capacity for 50,000 barrels more. The Phœnix Mill has a capacity of 300 bbls daily and Strauss, Elston & Co. about 250 bbls.

The Harmar Foundry and Machine Co., Messrs. Hall & Blair, do an extensive business in building engines and in making mill machinery of all kinds, while Geo. Strecker & Co.'s Boiler Works, also located in Harmar, do a thriving trade in boiler making and repairing of all kinds of machinery.

Marietta's wholesale trade in dry goods and groceries is also large, the leading house in this line being Bosworth, Wells & Co. While in the retail dry goods line, in all its departments, S. R. Turner & Co. is a representative firm.

In the fruit and produce trade W. F. Wendelken does the leading business, shipping to several states. Mr. W. has the confidence of the producers in this section and is able to supply the best the market affords.

The tobacco and cigar business is carried on by six factories, which make 200,000 cigars per month, upon which they pay $7000 annually as Government tax.

There are several tanneries, the largest being G. Meister & Sons, while Strecker Bros. do an extensive wholesale business in leather, oils, saddlery hardware etc., etc.

W. F. WENDELKEN,

WHOLESALE

Fancy Grocer and Confectioner,

SHIPPER OF PRODUCE,

Foreign and Domestic Green Fruits and Vegetables.

ORANGES, FIGS, STRAWBERRIES,
LEMONS, DATES, SWEET POTATOES,
BANANAS, PLUMS, PEACHES,
CHERRIES, APPLES, POTATOES ETC.

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Cordage,
Glass,
Sash,

Doors,
Paint,
Cement,
Lime,
Stoves,
Iron Pipe,
Fittings,
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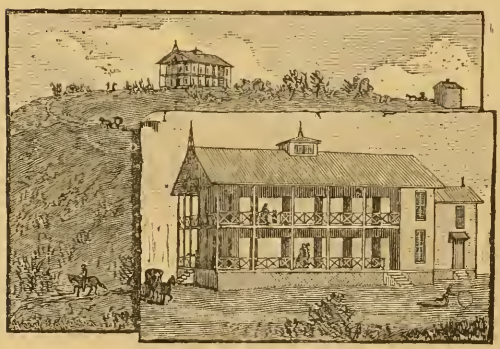
THE NOTED HEALTH RESORT



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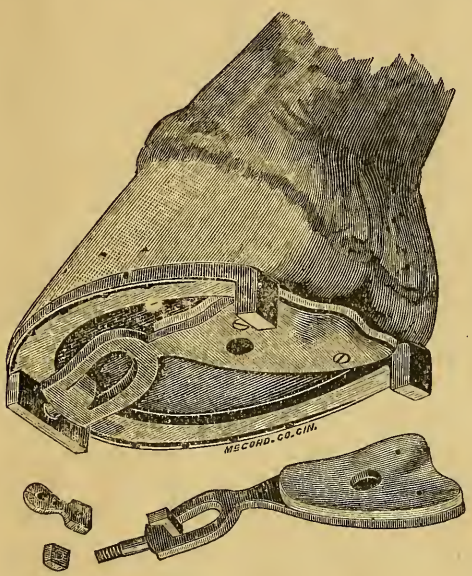

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The above cut represents a horse's foot shod with a heavy draft shoe of ordinary construction, with a pad support, provided with a screw thread prong, and a catch and a clamping device for screwing a support to the front of the shoe, holding it rigidly in place An opening is made horizontally through the calk at its junction with the shoe. Then the screw threaded prong of pad support is passed through this junction so as to receive a clamping nut, lever or other holding device. The pad can be attached readily to the shoe while on the foot. For full particulars call on or address the above at Marietta, Ohio.

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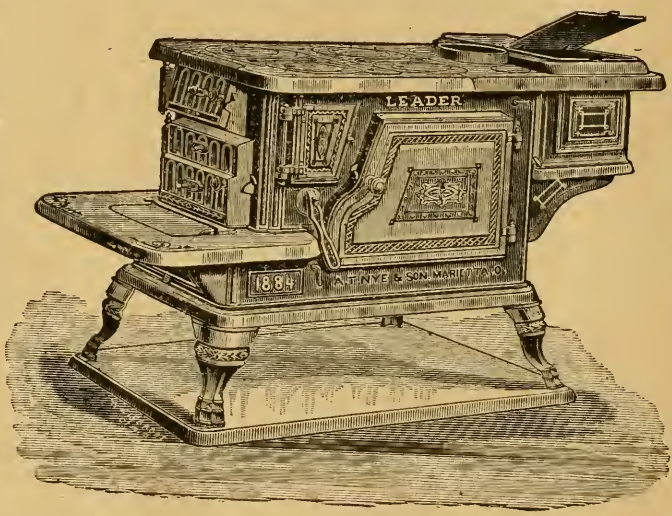

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